

GILA RIVER BASIN

09503700 VERDE RIVER NEAR PAULDEN, AZ

LOCATION--Lat 34° 53'40", long 112° 20'32", in SW_{1/4}SE_{1/4} sec. 39, T.18 N., R.1 W., Yavapai County, Hydrologic Unit 15060202, in Prescott National Forest, on right bank 0.3 mi upstream from Verde Valley Ranch, 7 mi east of Paulden, 8 mi upstream from Hell Canyon, 8 mi downstream from Granite Creek, and 10 mi downstream from Sullivan Lake.

DRAINAGE AREA--2,507 mi² (includes 357 mi² in Aubrey Valley Playa, a closed basin).

PERIOD OF RECORD--July 1963 to current year.

REVISED RECORDS--WDR AZ-83-1: 1981. WDR AZ-89-1: Drainage area.

GAGE--Water-stage recorder. Elevation of gage is 4,117 ft above sea level, from topographic map.

REMARKS--No estimated daily discharges. Records good. Diversions and storage above station for irrigation and municipal use.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 23,200 ft³/s Feb. 20, 1993, gage height, 14.25 ft, from rating curve extended above 7,600 ft³/s on basis of slope-area measurement of peak flow; minimum daily discharge, 15 ft³/s May 13-23, 1964.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 10.....	1915	*1610	*5.31

Minimum daily discharge, 20 ft³/s on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	23	24	25	24	24	23	22	21	20	20	20
2	23	23	24	25	24	24	23	22	21	21	20	20
3	23	23	24	25	24	24	23	22	21	21	20	20
4	23	23	25	24	24	24	23	22	21	21	20	20
5	23	25	24	24	25	24	23	22	20	20	20	21
6	24	24	24	24	24	24	23	22	20	20	20	22
7	30	24	24	24	24	24	23	22	20	20	21	30
8	23	24	24	24	24	24	22	22	20	20	20	67
9	22	23	24	25	24	24	23	22	20	20	20	32
10	22	23	24	25	24	24	23	22	20	20	20	247
11	22	23	24	24	24	23	23	22	20	20	20	80
12	22	23	24	24	24	23	22	22	20	20	20	33
13	22	23	24	24	24	23	23	22	20	20	20	25
14	22	23	24	24	24	23	23	21	20	20	20	23
15	22	23	24	24	24	23	22	21	20	21	20	22
16	22	23	24	24	24	23	22	21	20	21	20	21
17	22	23	24	24	24	22	22	21	20	20	20	21
18	22	23	24	24	24	23	23	21	20	20	20	21
19	22	23	24	24	24	23	22	21	20	20	20	21
20	22	23	24	24	24	22	22	21	20	20	20	21
21	22	23	24	24	24	22	22	21	20	20	20	21
22	22	23	24	24	24	23	23	21	20	20	20	21
23	22	23	24	24	24	23	22	21	20	20	20	21
24	22	23	24	24	24	22	22	21	20	21	20	21
25	22	23	24	24	24	22	22	21	20	21	20	21
26	23	23	24	24	24	23	22	21	20	21	20	21
27	23	23	24	24	24	23	22	21	20	20	20	21
28	23	23	24	24	24	23	22	21	20	20	20	21
29	23	23	24	24	---	23	22	21	20	20	20	21
30	23	24	25	24	---	22	22	21	20	20	20	21
31	23	---	25	24	---	23	---	21	---	20	20	---
TOTAL	703	696	747	749	673	717	674	664	604	628	621	997
MEAN	22.68	23.20	24.10	24.16	24.04	23.13	22.47	21.42	20.13	20.26	20.03	33.23
MAX	30	25	25	25	25	24	23	22	21	21	21	247
MIN	22	23	24	24	24	22	22	21	20	20	20	20
AC-FT	1390	1380	1480	1490	1330	1420	1340	1320	1200	1250	1230	1980
CFSM	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
IN.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2002, BY WATER YEAR (WY)

	30.90	26.84	40.77	57.09	112.2	71.81	32.30	24.83	23.88	25.52	30.36	37.27
MEAN	30.90	26.84	40.77	57.09	112.2	71.81	32.30	24.83	23.88	25.52	30.36	37.27
MAX	200	43.7	295	861	1443	669	155	30.7	27.5	36.4	80.9	440
(WY)	1973	1986	1966	1993	1993	1978	1965	1967	1995	1964	1964	1983
MIN	18.7	20.4	21.9	21.7	19.6	19.3	21.3	16.2	20.1	18.4	20.0	20.4
(WY)	1964	1965	1978	1972	1964	1972	1972	1964	1964	1963	2002	1978

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1963 - 2002

ANNUAL TOTAL	8473	
ANNUAL MEAN	23.21	42.38
HIGHEST ANNUAL MEAN		215
LOWEST ANNUAL MEAN		22.5
HIGHEST DAILY MEAN	247	13700
LOWEST DAILY MEAN	20	15
ANNUAL SEVEN-DAY MINIMUM	20	15
ANNUAL RUNOFF (AC-FT)	16810	30700
ANNUAL RUNOFF (CFSM)	0.011	0.020
ANNUAL RUNOFF (INCHES)	0.15	0.27
10 PERCENT EXCEEDS	24	29
50 PERCENT EXCEEDS	22	25
90 PERCENT EXCEEDS	20	22